

## **INTEGRAL INJECTION MOLDING AND IN-MOLD COATING APPARATUS**

### **Abstract**

An integral injection molding and in-mold coating arrangement apparatus including a frame, a first mold member fixedly secured to the frame and a second mold member movably secured to the frame for selective movement relative to the first mold member. The second mold member is movable to a closed position adjacent the first mold member for forming a mold cavity. A first composition injector is secured to the frame for selectively injecting a first substrate composition into the mold cavity to form a molded article therein. A second composition injector is secured to one of the first mold member and the second mold member for selectively injecting a second coating composition into the mold cavity and onto the molded article to in-mold coat the molded article. Controls are disposed on the frame for adjustably controlling injection parameters for injecting said first composition and injection parameters for injecting said second composition.

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